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IS 5063 (1969): TUR Husk [FAD 5: Livestock Feeds, Equipment and Systems]



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Indian Standard
SPECIFICATION FOR
TUR HUSK

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Indian Standard

SPECIFICATION FOR

TUR HUSK

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Indian Standard

SPECIFICATION FOR *TUR* HUSK

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 29 April 1969, after the draft finalized by the Animal Feeds Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 *Tur* husk is a by-product of the *DAL* milling industry and is commonly used for feeding livestock. To ensure the availability of *TUR* husk of a known quality to the users, it is considered necessary to prepare this specification. It is also expected that this standard would help in exercising proper quality control during *TUR* husk production.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS: 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the requirements and the methods of sampling and test for *TUR* husk meant for livestock feeding.

2. REQUIREMENTS

2.1 Description—*TUR* or *ARHAR* husk shall have been obtained during processing of clean *TUR* or *ARHAR* (*Cajanus cajan*) kernels for preparing *TUR DAL*. The husk shall be the outer covering of the seed. The husk shall be free from adulterants; musty, stale or other objectionable odour or sourness; and from lumps, dirt and extraneous matter including iron or other metallic pieces. The material shall be free from fungus or insect infestation.

2.2 The material shall also conform to the requirements given in Table 1.

3. PACKING AND MARKING

3.1 Packing—The material shall be packed in sound, clean jute bags. The mouth of each bag shall be either machine-stitched or rolled over and hand-stitched with strong jute twine.

*Rules for rounding off numerical values (*revised*).

TABLE 1 REQUIREMENTS FOR TUR HUSK AS LIVESTOCK FEED

(Clause 2.2)

Sl. No.	CHARACTERISTIC	REQUIRE- MENT	METHODS OF TEST, REF TO APPENDIX IN	
			IS:2052-1968*	IS:3162-1965†
(1)	(2)	(3)	(4)	(5)
i)	Moisture, percent by weight, <i>Max</i>	10	B	—
ii)	Crude protein ($N \times 6.25$), percent by weight, <i>Min</i>	5	C	—
iii)	Crude fibre, percent by weight, <i>Max</i>	44	D	—
iv)	Total ash, percent by weight, <i>Max</i>	6	—	A
v)	Acid insoluble ash, percent by weight, <i>Max</i>	1	E	—

*Specification for compounded feeds for cattle (*first revision*).

†Specification for gram husk.

3.2 Marking—Each bag shall be either marked or labelled with the following particulars:

- Name of the material,
- Name of the manufacturer,
- Net weight in kg, and
- Batch or code number.

3.2.1 Each bag may also be marked with the ISI Certification Mark.

NOTE—The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act, and the Rules and Regulations made thereunder. Presence of this mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard, under a well-defined system of inspection, testing and quality control during production. This system, which is devised and supervised by ISI and operated by the producer, has the further safeguard that the products as actually marketed are continuously checked by ISI for conformity to the standard. Details of conditions, under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

4. SAMPLING

4.1 Representative samples of the material for tests shall be drawn according to the method prescribed in Appendix F of IS:2052-1968*.

5. TESTS

5.1 Tests shall be carried out as prescribed in the relevant appendices specified in col 4 and 5 of Table 1.

*Specification for compounded feeds for cattle (*first revision*).

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AMENDMENT NO. 1 NOVEMBER 1995
TO
IS 5063 : 1969 SPECIFICATION FOR *TUR* HUSK

(Page 4, Table 1) — Substitute the following for the existing table:

TABLE 1 REQUIREMENTS FOR *TUR* HUSK AS LIVESTOCK FEED
(Clause 2.2)

SL No.	CHARACTERISTIC	REQUIREMENT	METHOD OF TEST, REF TO	
			Clause of IS 7874 (Part 1) : 1975*	Appendix of IS 3162 : 1965†
(1)	(2)	(3)	(4)	(5)
i)	Moisture, percent by mass, <i>Max</i>	10.0	4	—
ii)	Crude protein (nitrogen × 6.25), percent by mass, <i>Min</i>	5.0	5	—
iii)	Crude fibre, percent by mass, <i>Max</i>	44	8	—
iv)	Total ash, percent by mass, <i>Max</i>	6.0	—	A
v)	Acid insoluble ash, percent by mass, <i>Max</i>	1.0	10	—

NOTE — The requirements for items (ii) to (v) are on moisture-free basis.

*Methods of tests for animal feeds and feeding stuffs: Part 1 General methods.

†Specification for gram husk.

(Page 4, clause 4.1, line 2) — Substitute 'C of IS 2052 : 1979*' for 'F of IS 2052 : 1968*'

(Page 4, foot-note with "*" mark) — Substitute '(third revision)' for '(first revision)'.